

IN THE CLAIMS:

Please AMEND claims 3-4, 8, 11, 14-15, 19-20, 22, 25, 30-31, 35-36, and 41; and

Please ADD claims 47-49, as shown below.

1-2 (Cancelled)

3. (Currently Amended) A method, comprising: of

controlling ~~the~~ transmission power used in a digital radio link in a system ~~where-in~~
which a base station and a personal station are parties to a radio connection and during
operation between them either party ~~may~~ is permitted to send a power control command,
~~which that will~~ is configured to change the transmission power of the other party, ~~the~~
~~method comprising~~:

identifying a change in data transfer of the first party by the second party; and
in response to the change in the data transfer, changing a manner in which the
power control commands are to be sent to the first party by the second party to be in
accordance with the changed data transfer,

wherein when the changed data transfer relates to a decreased transmission rate of
the first party, the second party ~~will~~ is configured to decrease a frequency of power
control commands to be sent to the first party and, correspondingly, when the changed

data transfer relates to an increased transmission rate, the second party ~~will~~is configured ~~to~~ increase the frequency of power control commands.

4. (Currently Amended) A method, comprising:
~~of controlling the transmission power used in a digital radio link in a system~~
~~wherein which~~ a base station and a personal station are parties to a radio connection and during operation between them either party ~~may~~is permitted to send a power control command, ~~which that~~ ~~will~~is configured to change the transmission power of the other party, ~~the method comprising~~;

identifying a change in data transfer of the first party by the second party; and
in response to the change in the data transfer, changing a manner in which the power control commands are to be sent to the first party by the second party to be in accordance with the changed data transfer,

wherein the power control command is formed of a plurality of bits and when the changed data transfer relates to a decreased transmission rate of the first party,, the second party ~~will~~is configured to shorten a length of the power control command and, correspondingly, when the changed data transfer relates to an increased transmission rate, the second party ~~will~~is configured to extend the length of the power control command.

5-7 (Cancelled)

8. (Currently Amended) A method, comprising:

~~of controlling the transmission power used in a digital radio link in a system~~
~~wherein which~~ a base station and a personal station are parties to a radio connection and
during operation between them either party ~~may~~ is permitted to send a power control
command, ~~which that will~~ is configured to change the transmission power of the other
party, ~~the method comprising~~;

identifying a change in data transfer of the first party by the second party; and
in response to the change in the data transfer, changing a manner in which the
power control commands are to be sent to the first party by the second party to be in
accordance with the changed data transfer,

wherein the power control commands are transmitted at first and second transfer
rates, the second transfer rate being lower than the first transfer rate, of which the second
transfer rate is used when the transmission of the first party is in a ~~DTX~~ discontinuous
transmission state.

9-10 (Cancelled)

11. (Currently Amended) A method, comprising:

~~of controlling the transmission power used in a digital radio link in a system~~
~~wherein which~~ a base station and a personal station are parties to a radio connection and
during operation between them either party ~~may~~ is permitted to send a power control

command, ~~which that will~~ is configured to change the transmission power of the other party, ~~the method comprising:~~

identifying a change in data transfer of the first party by the second party; and
in response to the change in the data transfer, changing a manner in which the power control commands are to be sent to the first party by the second party to be in accordance with the changed data transfer,

wherein the manner in which the power control commands are to be sent in one direction is changed in reverse proportion to a load of the opposite transfer direction.

12-13 (Cancelled)

14. (Currently Amended) A method, comprising:

~~of~~ operating a base station in a digital radio link, said base station having a radio connection with a personal station, ~~comprising:~~

identifying a change in amount of traffic received from said personal station;
determining a frequency of transmission of a power control command based on said change in the amount of traffic; and

transmitting said power control command to said personal station in accordance with said frequency of transmission.

15. (Currently Amended) The method of claim 14, wherein said identifying said change in the amount of traffic comprises at least one of

- identifying a change to a ~~DTX~~-discontinuous transmission state,
- identifying an information transfer rate change,
- identifying an asymmetric data transfer, and/or
- identifying no data transmissions being received.

16. (Previously Presented) The method of claim 14, wherein said determining said frequency of transmission of said power control command includes negotiating with said personal station to change said frequency of transmission of said power control command.

17. (Previously Presented) The method of claim 14, wherein said determining said frequency of transmission of said power control command includes determining said frequency of transmission based on a change in frequency of received power control commands from said personal station.

18. (Previously Presented) The method of claim 14, wherein said identifying includes receiving a request from said personal station to change transmission between said personal station and a base station.

19. (Currently Amended) A method, comprising:
~~of~~ operating a personal station in a digital radio link, said personal station having
a radio connection with a base station, ~~comprising~~;
identifying a change in amount of traffic received from said base station;
determining a frequency of transmission of a power control command based on
said change in the amount of traffic; and
transmitting said power control command to said base station in accordance with
said frequency of transmission.

20. (Currently Amended) The method of claim 19, wherein said identifying said
change in amount of traffic comprises at least one of
identifying a change to a ~~DTX~~ discontinuous transmission state,
identifying an information transfer rate change,
identifying an asymmetric data transfer, ~~and or~~
identifying no data transmissions being received.

21. (Previously Presented) The method of claim 19, wherein said determining
said frequency of transmission of said power control command includes negotiating with
said base station to change said frequency of transmission of said power control
command.

22. (Currently Amended) The method of claim 19, wherein said determining said frequency of transmission of said power control command includes receiving information from said base station for determining said frequency of transmission.

23. (Previously Presented) The method of claim 19, wherein said identifying includes sending a request to said base station to change transmission between said base station and said personal station.

24. (Cancelled)

25. (Currently Amended) A method, comprising:
~~of~~ operating a personal station to control transmission of a power control command in a digital radio link, said personal station having a radio connection with a base station, ~~comprising:~~
identifying an absence of traffic received from said base station;
negotiating with said base station to determine a frequency of transmission of said power control command; and
transmitting said power control command to said base station in accordance with said frequency of transmission.

26-29 (Cancelled)

30. (Currently Amended) A base station, configured to:
~~for having~~ have a radio connection with a personal station in a digital radio link;
~~said base station configured to:~~
identify a change in amount of traffic received from said personal station;
determine a frequency of transmission of a power control command based on said
change in the amount of traffic; and
transmit said power control command to said personal station in accordance with
said frequency of transmission.

31. (Currently Amended) The base station of claim 30, wherein said base station
is configured to identify said change in the amount of traffic by identifying at least one of
the following:

a change to a ~~DTX~~ discontinuous transmission state,
an information transfer rate change,
an asymmetric data transfer, ~~and~~ or
no data transmissions being received.

32. (Previously Presented) The base station of claim 30, wherein said base station
is configured to determine said frequency of transmission of power control commands by

negotiating with said personal station to change said frequency of transmission of said power control command.

33. (Previously Presented) The base station of claim 30, wherein said base station is configured to determine said frequency of transmission of said power control command by determining said frequency of transmission based on a change in frequency of received power control commands from said personal station.

34. (Previously Presented) The base station of claim 30, wherein said base station is configured to identify said change by receiving a request from said personal station to change transmission between said personal station and said base station.

35. (Currently Amended) A personal station, configured to:
~~for having~~ have a radio connection with a base station in a digital radio link, ~~said~~
~~personal station configured to:~~

identify a change in amount of traffic received from said base station;
determine a frequency of transmission of a power control command based on said change in the amount of traffic; and
transmit said power control command to said base station in accordance with said frequency of transmission.

36. (Currently Amended) The personal station of claim 35, wherein said personal station is configured to identify said change in the amount of traffic by identifying at least one of the following:

a change to a ~~DTX~~ discontinuous transmission state,

an information transfer rate change,

an asymmetric data transfer, ~~and~~ or

no data transmissions being received.

37. (Previously Presented) The personal station of claim 35, wherein said personal station is configured to determine said frequency of transmission of said power control command by negotiating with said base station to change said frequency of transmission of said power control command.

38. (Previously Presented) The personal station of claim 35, wherein said personal station is configured to determine said frequency of transmission of said power control command by receiving information from said base station for determining said frequency of transmission.

39. (Previously Presented) The personal station of claim 35, wherein said personal station is configured to identify said change by sending a request to said base station to change transmission between said base station and said personal station.

40. (Cancelled)

41. (Currently Amended) A personal station, configured to:

~~for having~~ have a radio connection with a base station;

~~and for controlling~~ control transmission of a power control command in a digital radio link; ~~said personal station configured to:~~

identify an absence of traffic received from said base station;

negotiate with said base station to determine a frequency of transmission of said power control command; and

transmit said power control command to said base station in accordance with said frequency of transmission.

42-46 (Cancelled)

47. (New) A base station, comprising:

connection means for having a radio connection with a personal station in a digital radio link;

identification means for identifying a change in amount of traffic received from said personal station;

determination means for determining a frequency of transmission of a power control command based on said change in the amount of traffic; and

transmission means for transmitting said power control command to said personal station in accordance with said frequency of transmission.

48. (New) A personal station, comprising:

connection means for having a radio connection with a base station in a digital radio link;

identification means for identifying a change in amount of traffic received from said base station;

determination means for determining a frequency of transmission of a power control command based on said change in the amount of traffic; and

transmission means for transmitting said power control command to said base station in accordance with said frequency of transmission.

49. (New) A personal station, comprising:

connection means for having a radio connection with a base station;

control means for controlling transmission of a power control command in a digital radio link;

identification means for identifying an absence of traffic received from said base station;

negotiation means for negotiating with said base station to determine a frequency of transmission of said power control command; and

transmission means for transmitting said power control command to said base station in accordance with said frequency of transmission.